

Listing of Claims

Claims 1-21 (canceled)

22. (currently amended) A kit comprising:

a.—a membrane array for detecting biomolecules in a sample, said array comprising a plurality of membranes, wherein each of said plurality of membranes ~~have~~has substantially a same affinity for said biomolecules; and

b.—containers of antibodies or probes for detecting biomolecules captured on each membrane,

wherein said membranes are separable from each other.

23. (original) The kit according to claim 22 wherein said membranes comprise a polymer substrate coated with a material for increasing an affinity of said substrate to said biomolecules.

24. (currently amended) The kit according to claim 23 wherein said coating material is comprises nitrocellulose.

25. (currently amended) The kit according to claim 22 wherein said antibodies or probes are specific capture molecules for biomolecules sought to be detected on particular membranes of said array.

26. (original) The kit according to claim 25 wherein each container contains an antibody cocktail.

27. (original) The kit according to claim 22 wherein said plurality of membranes have a low capacity for said biomolecules.

28. (original) The kit according to claim 22 wherein said plurality of membranes each have a thickness of less than about 30 microns.

Claims 29-31 (canceled)

32. (new) The kit of claim 22, wherein each of said plurality of membranes comprises a porous substrate having a thickness of less than 30 microns and no less than 4 microns.

33. (new) The kit of claim 22, wherein said plurality of membranes comprises 50 or more of said membranes.

34. (new) The kit of claim 22, wherein one or more of said membranes comprise a material for increasing an affinity of at least one of said membranes to the biomolecules.

35. (new) The kit of claim 34, wherein said material is coated on one or more of said membranes.

36. (new) The kit of claim 34, wherein said material for increasing affinity is selected from the group consisting of nitrocellulose, poly-L-lysine, and mixtures thereof.

37. (new) The kit of claim 32, wherein said porous substrate comprises polycarbonate, cellulose acetate, or mixtures thereof.

38. (new) The kit of claim 36, wherein said porous substrate is a polycarbonate substrate.

39. (new) The kit of claim 22, wherein said sample is a tissue section.

40. (new) The kit of claim 22, wherein said sample is a DNA sample.

41. (new) The kit of claim 22, wherein said sample is a microarray, and the microarray comprises a plurality of DNA probes, antibodies or a combination thereof.

42. (new) The kit of claim 22, wherein said sample is a gel.

43. (new) The kit of claim 22, wherein said sample is contained in a microtiter plate.

44. (new) A kit for use in a method of making multiple substantial replicas of a biomolecular content of a sample, which method comprises:

providing a stack of membranes, wherein said membranes permit biomolecules applied to said stack to move through multiple of said membranes, while capturing at least a portion of said biomolecules on the multiple membranes; and

applying said sample to said stack of membranes, under conditions that (a) allow at least a portion of said biomolecules to elute from the sample through the stack of membranes, and (b) allow said multiple membranes to capture at least a portion of said biomolecules from said sample, thereby forming said multiple substantial replicas of the biomolecular content of the sample, wherein the biomolecules have a relative relationship to each other in at least two dimensions within the sample, and wherein each of the substantial replicas maintains the relative relationship of the biomolecules,

the kit comprising:

a stack of membranes, said stack of membranes comprising a plurality of membranes each of which is separable from the array after said sample is applied thereto, wherein each of said plurality of membranes has substantially a same affinity for said biomolecules; and

containers of antibodies or probes for detecting biomolecules captured on each membrane.